DISCUSSION GROUP T5
ON
VERIFICATION OF PROTECTIVE SYSTEMS

Lil Kassie, Coordinator, is presently Rotating Equipment Advisor for BP refining. He is located at BPs Whiting, Indiana, refinery where he has worked for 24 years. In his present position, Mr. Kassie is responsible for providing machinery expertise, sharing and implementing equipment practices, and development coaching for improving equipment reliability and plant availability throughout BP. Prior to his tenure at BP, Mr. Kassie worked as Rotating Equipment Superintendent for Energy Cooperative Inc. and as a Field Service Engineer for Ingersoll Rand. He has presented technical papers at various rotating equipment conferences including the Turbomachinery Symposium and Rotating Machinery Users Council.

Mr. Kassie holds B.S. and M.S. degrees (Mechanical Engineering) from the University of Wisconsin.

Stephen R. (Steve) Locke, Coordinator, is a Senior Consultant in DuPont Engineering Technology Rotating Machinery Group in Old Hickory, TN. He had plant assignments in the Petrochemical Department starting in 1972 for technical assistance to operations and maintenance including responsibility for startup and oversight of several large process compressors and other equipment. More recently, Mr. Locke has also been leading a corporate effort to identify machinery credible failure modes and appropriate steps to quantify and manage safety risk.

Mr. Locke received a BS degree (Mechanical Engineering, 1972) from Purdue University and is a member of ASME. He has been active on the Turbomachinery Symposium advisory committee, and represents DuPont on the Texas A&M Turbomachinery Research Consortium.

Stanley Stevenson, Coordinator, is Service Engineering Manager for Siemens Power Generation Industrial Applications (formerly Demag Delaval), in Trenton, New Jersey. He has been with them for more than 27 years and has been involved in the design, manufacture, and testing of rotating equipment for the chemical, oil and gas, utility, and power generation markets.

Mr. Stevenson has received both B.S. and M.S. degrees (Mechanical Engineering, 1980, 1983) from Drexel University. He is a member of ASME and is a registered Professional Engineer in the State of Pennsylvania. Mr. Stevenson is a member of PMI, where he is a certified PMP.

Justin Kassie is presently a Rotating Equipment Engineer for BP refining. He is located at BP's Carson, California refinery. In his present position, Mr. Kassie is responsible for improving the reliability of plant machinery, rerating equipment, and specifying new equipment for purchase and installation. He is also responsible for the development of equipment practices to BP refineries worldwide and was a member of the API-675 3rd edition task force. Prior to his tenure at BP's Carson refinery, Mr. Kassie served as Maintenance Engineer for BP's Toledo, Ohio refinery. Justin Kassie holds a BS in Mechanical Engineering from Carnegie Mellon University.

Robert Kranz

George Seamon is a Principal Design Engineer, Expanders for Dresser-Rand Company, in Olean, New York. For the last 24 years, he has been responsible for the aerodynamic and mechanical design and development of hot gas expanders for FCC and nitric acid service. He is also spends some time in the field diagnosing mechanical and performance problems.

Prior to 1987, he spent six years on design of Dresser gas turbines and four years on the design of the GHH type hot gas expander.

Before joining Dresser-Rand, Mr. Seamon worked for 10 years with General Electric and Pratt & Whitney on heat transfer, aerodynamic, and mechanical design of the turbine section of jet engines.
He graduated with a BSME/AE degree from Northwestern University (1967).

L. E. (Ed) Watson is a consultant with the DuPont Company in Houston, Texas. He works in the DuPont Engineering Technologies and Research Division of DuPont Engineering. His responsibilities include the specification and repair of turbomachinery and other rotating equipment, vibration and stress analysis, predictive maintenance and reliability improvement, process equipment application, and general engineering consultation on machinery and processes. Mr. Watson has been with DuPont for over 35 years and works on capital projects and engineering support of plant operations.

Mr. Watson has a B. S. degree from Lamar University and a M. S. degree from The University of Texas at Austin (both in Mechanical Engineering). He is active in the Vibration Institute and is past chairman of both the Triplex Chapter and the Houston Chapter of the Vibration Institute.